SEQUENCE LISTING

<110> Jack, William E.
Schildkraut, Ira
Menin, Julie F.
Greenough, Lucia

<120> Use of Site-Specific Nicking Endonucleases to Create Single-Stranded Regions And Applications Thereof

<130> NEB-180

<140> 09/738,444
<141> 2000-12-15

<160> 51

<170> PatentIn Ver. 2.0

<210> 1
<211> 40
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic oligonucleotide

<400> 1
aaatcaatct aaagtatata ccggtaaact tggtctgaca 40

<210> 2
<211> 38
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic oligonucleotide

<400> 2
ctagcattag tcagactcta cattcaaata tgtatccg 38

<210> 3
<211> 38
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 3
gcgctcgatg tcagactcga gcaaaaggcc agcaaaag 38

<210> 4
<211> 56
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 4
gagtccgatt gacctaagcg gatactctga cgactcgtag aaaagatcaa aggatc 56

<210> 5
<211> 51
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 5
gagtctcaga ctatctggag cgactgactc aaacttggtc tgacagttac c 51

<210> 6
<211> 40
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 6
gtaaatatcg gactctacaa tcaaatatgt atccgctcat 40

<210> 7
<211> 82
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 7
gatcgagtct gacatcgagc gcctagcatt agtcagactc gatatcgagt ctcagcctgt 60
tagcgatggt acatgacgac tc 82

<210> 8
<211> 82
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 8
ctaggagtcg tcatgtacca tcgctaacag gctgagactc gatatcgagt ctgactaatg 60
ctaggcgctc gatgtcagac tc 82

<210> 9
<211> 22
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 9
catgtctaga ctgcagagat ct 22

<210> 10
<211> 18
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 10
agatctctgc agtctaga 18

<210> 11
<211> 21
<212> DNA

<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 11
tacattcaaa tatgtatccg c 21

<210> 12
<211> 21
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 12
taaacttggt ctgacagtta c 21

<210> 13
<211> 54
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 13
gagtatccgc ttaggtcaat cggactcgga ccggatatca catgtgagtc gtca 54

<210> 14
<211> 54
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
oligonucleotide

<400> 14
cctgttagcg atggtacatg acgactcaca tgtgatatcc ggtccgagtc cgat 54

<210> 15
<211> 10
<212> DNA

<213> N.BstNBI Recognition Sequence

<220>
<223> N indicates any base (subject to the normal rules of base pairing between the strands).

<400> 15
gagtcnnnnn 10

<210> 16
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequences - all randomly generated

<400> 16
gcgtctaaac ccagatgt 18

<210> 17
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequences - all randomly generated

<400> 17
gcgttcaaac ccagatgt 18

<210> 18
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequences - all randomly generated

<400> 18
agctgttcta agccgcaa 18

<210> 19
<211> 18
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 19
tgtgaacacc tcgtaacg 18

<210> 20
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 20
ttcccaagca catgggat 18

<210> 21
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 21
tctccaagca cagtgagt 18

<210> 22
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 22
tgactcaagc gagtactc 18

<210> 23
<211> 18
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequences - all randomly generated

<400> 23
tgactcaagc ggatactc 18

<210> 24
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
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sequences - all randomly generated

<400> 24
tgacctaagc ggatactc 18

<210> 25
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 25
actgagcgcc atgcatta 18

<210> 26
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 26
actgagcgcc agtcatta 18

<210> 27
<211> 18
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - randomly generated

<400> 27
atcgagcgcc atgcatta 18

<210> 28
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - randomly generated

<400> 28
atcgagcgcc tagcatta 18

<210> 29
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - randomly generated

<400> 29
tgtaccatcg ctaacagg 18

<210> 30
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - implemented via the synthetic oligonucleotide, but never existed as independent entity

<400> 30
gagtctgaca tcgagcgcct agcattagtc agactc 36

<210> 31

<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - implemented via the synthetic oligonucleotide, but never existed as independent entity.

<400> 31
gagtccgatt gacctaagcg gatactctga cgactc 36

<210> 32
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - implemented via the synthetic oligonucleotide, but never existed as independent entity

<400> 32
gagtctcagc ctgttagcga tggtacatga cgactc 36

<210> 33
<211> 50
<212> DNA
<213> synthetic oligonucleotide

<220>
<223> N/A

<400> 33
gagtcagctc aatgttgcca gtcaggactc gtagaaaaga tcaaaggatc 50

<210> 34
<211> 35
<212> DNA
<213> synthetic oligonucleotide

<220>
<223> N/A

<400> 34
gggccacgta gactcgagca aaaggccagc aaaag 35

<210> 35
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 35
gtagttacgc ca 12

<210> 36
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 36
caatgttgcc ag 12

<210> 37
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 37
tctcaatgag gc 12

<210> 38
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 38
agcgagcctt ta 12

<210> 39
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - randomly generated

<400> 39
tgatcgagac ct 12

<210> 40
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - randomly generated

<400> 40
tctgcggata ac 12

<210> 41
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - randomly generated

<400> 41
tatgcagcgc at 12

<210> 42
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - randomly generated

<400> 42
gatcgaacgt tc 12

<210> 43
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 43
aaatttgggc cc 12

<210> 44
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 44
actatctgga gc 12

<210> 45
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 45
aggcgacatt tc 12

<210> 46
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical
sequence - randomly generated

<400> 46
atttacgggc ca 12

<210> 47
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Theoretical sequence - implemented via the synthetic oligonucleotide, but never existed as independent entity.

<400> 47
gagtcagctc aatgttgcca gtcaggactc 30

<210> 48
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Theoretical sequence - implemented via the synthetic oligonucleotide, but never existed as independent entity.

<400> 48
gagtccgata tttacgggcc acgtagactc 30

<210> 49
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Theoretical sequence - implemented via the synthetic oligonucleotide, but never existed as independent entity.

<400> 49
gagtctcaga ctatctggag cgactgactc 30

<210> 50
<211> 48
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide

<400> 50
ctggcaacat tgatcggact cggaccggat atcacatgtg agtcgtca 48

<210> 51
<211> 48
<212> DNA
<213> Unknown

<220>
<223> Description of Unknown Organism: Synthetic
Oligonucleotide

<400> 51
gctccagata gttgacgact cacatgtgat atccggtccg agtccgat 48